Portable Single-point Laser Doppler Vibrometer (PNV-RD-AVD1)

Specifications	Standard	Custom Design
Measurement point	1	
Laser	He-Ne Laser (wavelength at 632.8nm, Class II, Eye-safe)	
Standoff distance	0.2m - 5m (adjustable focallength, up to 30m with retro-reflective surfaces)	
Spot size of laser	20μm - 500 μm	
Output	Acceleration, velocity ordisplacement (selected from software)	
Frequency measurement range	0.1Hz - 250kHz (Analog); Up to 5MHz(Digital)	
Velocity measurementrange	Adjustable based on resolution, from 10mm/sto 2m/s	
Resolution	Velocity: Displacement: 1pm	
Demodulation system	FPGA digital decodingsystem (real time output)	
Interface of control	Software control	
Data output	Digital output(USB3.0interface) Analog output (SMAinterface)	
Mounting hole onsystem	M4, M6， 1/4"-20	Custom design
Software	Windows-based interface fordisplay analyze and save measurement data	Optional laptop with SSD
Power supply	110V-240V， 50Hz-60Hz	
Size of system	300mm (L) x 62mm (W) x120mm (H)	
Trigger interface	TTL Signal, SMA interface	
Warranty	1-year warranty	Optional 2-year warranty

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